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L12: Entry 1 of 2

File: USPT

Jan 9, 2001

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DOCUMENT-IDENTIFIER: US 6171381 B1  
TITLE: Aqueous metallic ink composition

Brief Summary Paragraph Right (33):

The water-soluble soy polysaccharide or water-soluble soy polysaccharide derivatives which are commercially available are also applicable to the present invention. Specific examples of preferable water-soluble soy polysaccharides or water-soluble soy polysaccharide derivatives include those commercially available from Fuji Oil co, Ltd. under the trade names of "SOYAFIVE S-DN", "SOYAFIVE S-DA100", "SOYAFIVE S-LN", "SOYAFIVE S-LN1", "SOYAFIVE S-LA200", and the like. The amount of the water-soluble soy polysaccharide or water-soluble soy polysaccharide derivatives to be used preferably is from 0.5% by weight to 20% by weight; and more preferably from 1% by weight to 15% by weight, relative to the total amount of the ink composition. If the content of the water-soluble soy polysaccharide or water-soluble soy polysaccharide derivatives is greater than 20% by weight relative to the total amount of the ink composition, the viscosity of the ink composition increases and the writing characteristic and the printing suitability deteriorate. On the other hand, if the content is less than 0.5% by weight, the fixability of the colorant to the metallic powder pigment (particularly to the aluminum powder pigment) lowers and it is difficult to form a written portion with vivid metallic color. The water-soluble soy polysaccharide or water-soluble soy polysaccharide derivatives may be used either alone or as a mixture.

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB; PLUR=YES; OP=ADJ</i>			
<u>L12</u>	Soyafive S-LA200	2	<u>L12</u>
<u>L11</u>	Soyafive S-DN	2	<u>L11</u>
<u>L10</u>	Soyafive S DN	2	<u>L10</u>
<u>L9</u>	l2 near5 siz\$3	0	<u>L9</u>
<u>L8</u>	l2 near10 siz\$3	1	<u>L8</u>
<u>L7</u>	l2 near13 siz\$3	1	<u>L7</u>
<u>L6</u>	l2 near3 siz\$3	0	<u>L6</u>
<u>L5</u>	l2 and siz\$3	6	<u>L5</u>
<u>L4</u>	l2 and l3	0	<u>L4</u>
<u>L3</u>	sizing agent	5492	<u>L3</u>
<u>L2</u>	soybean polysaccharide	45	<u>L2</u>
<u>L1</u>	soybean near polysaccharide	58	<u>L1</u>

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END OF SEARCH HISTORY